Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * *   Welcome to STN International   * * * * * * * * * * *

NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
NEWS 2   "Ask CAS" for self-help around the clock
NEWS 3   JUL 12   BEILSTEIN enhanced with new display and select options,
                   resulting in a closer connection to BABS
NEWS 4   AUG 02   IFIPAT/IFIUDB/IFICDB reloaded with new search and display
                   fields
NEWS 5   AUG 02   CAplus and CA patent records enhanced with European and Japan
                   Patent Office Classifications
NEWS 6   AUG 02   The Analysis Edition of STN Express with Discover!
                   (Version 7.01 for Windows) now available
NEWS 7   AUG 27   BIOCOMMERCE: Changes and enhancements to content coverage
NEWS 8   AUG 27   BIOTECHABS/BIOTECHDS: Two new display fields added for legal
                   status data from INPADOC
NEWS 9   SEP 01   INPADOC: New family current-awareness alert (SDI) available
NEWS 10   SEP 01   New pricing for the Save Answers for SciFinder Wizard within
                   STN Express with Discover!
NEWS 11   SEP 01   New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 12   SEP 27   STANDARDS will no longer be available on STN
NEWS 13   SEP 27   SWETSCAN will no longer be available on STN
NEWS 14   OCT 28   KOREAPAT now available on STN

NEWS EXPRESS   OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
                MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS   STN Operating Hours Plus Help Desk Availability
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NEWS LOGIN   Welcome Banner and News Items
NEWS PHONE   Direct Dial and Telecommunication Network Access to STN
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  * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:25:15 ON 04 NOV 2004

=> file reg
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

FILE 'REGISTRY' ENTERED AT 12:25:32 ON 04 NOV 2004

STRUCTURE FILE UPDATES: 2 NOV 2004   HIGHEST RN 774165-06-9
DICTIONARY FILE UPDATES: 2 NOV 2004   HIGHEST RN 774165-06-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

    Please note that search-term pricing does apply when
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Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Examination Auxillary files\10697226\10697226 elected specie.str
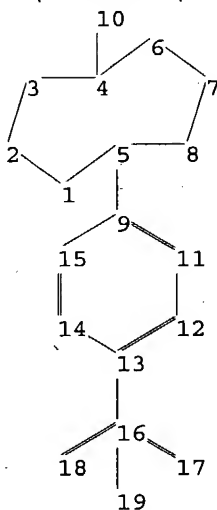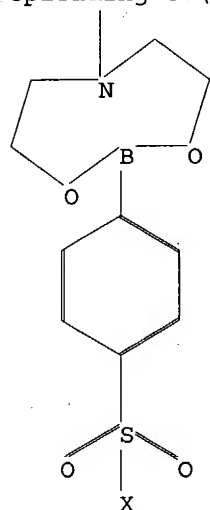
chain nodes :
10   16   17   18   19
ring nodes :
1   2   3   4   5   6   7   8   9   11   12   13   14   15
chain bonds :
4-10   5-9   13-16   16-17   16-18   16-19
ring bonds :
1-2   1-5   2-3   3-4   4-6   5-8   6-7   7-8   9-11   9-15   11-12   12-13   13-14   14-15
exact/norm bonds :
1-2   1-5   2-3   3-4   4-10   4-6   5-8   6-7   7-8   13-16   16-17   16-18   16-19
exact bonds :
5-9
normalized bonds :
9-11   9-15   11-12   12-13   13-14   14-15
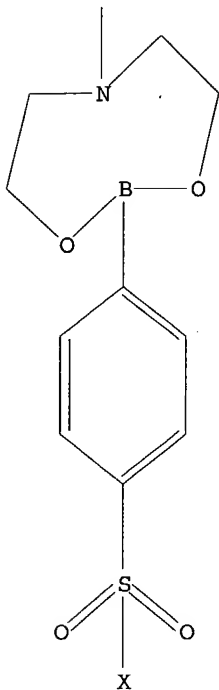

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:CLASS
11:Atom   12:Atom   13:Atom   14:Atom   15:Atom   16:CLASS   17:CLASS   18:CLASS   19:CLASS

L1   STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1   STR

Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 12:26:44 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   0 TO ITERATE

100.0% PROCESSED   0 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 0 TO   0
PROJECTED ANSWERS: 0 TO   0

L2   0 SEA SSS SAM L1

=> search l1 sss full
FULL SEARCH INITIATED 12:27:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   4 TO ITERATE

100.0% PROCESSED   4 ITERATIONS   1 ANSWERS
SEARCH TIME: 00.00.01

L3   1 SEA SSS FUL L1

=> d l3

L3   ANSWER 1 OF 1   REGISTRY   COPYRIGHT 2004 ACS on STN

RN   690662-84-1 REGISTRY
CN   Benzenesulfonyl chloride, 4-(tetrahydro-6-methyl-4H-1,3,6,2-dioxazaborocin-
      2-yl)- (9CI) (CA INDEX NAME)
MF   C11 H15 B Cl N O4 S
SR   CA
LC   STN Files: CA, CAPLUS, CASREACT, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
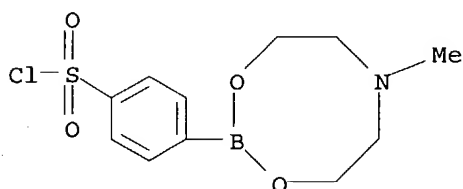
                    1 REFERENCES IN FILE CA (1907 TO DATE)
                    1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file ca
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                     ENTRY   SESSION

FULL ESTIMATED COST   158.03   158.24

FILE 'CA' ENTERED AT 12:27:26 ON 04 NOV 2004
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FILE COVERS 1907 - 28 Oct 2004 VOL 141 ISS 19
FILE LAST UPDATED: 28 Oct 2004 (20041028/ED)

   This file contains CAS Registry Numbers for easy and accurate
   substance identification.

=> l3
L4   1 L3

=> d l4 ti bib abs

L4   ANSWER 1 OF 1 CA COPYRIGHT 2004 ACS on STN
TI   Preparation of halo sulfonyl aryl boronates and their use in organic
      synthesis
AN   140:406949 CA
TI   Preparation of halo sulfonyl aryl boronates and their use in organic
      synthesis
IN   Vedso, Per; Olesen, Preben Houlberg; Hoeg-Jensen, Thomas
PA   Novo Nordisk A/S, Den.
SO   PCT Int. Appl., 21 pp.

```
         CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
         PATENT NO.            KIND    DATE         APPLICATION NO.           DATE
         --------------        ----    --------     --------------------      --------
PI   WO 2004041833            A1      20040521     WO 2003-DK738             20031030
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
             GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
             LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
             OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
             TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
             BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,
             MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN,
             GQ, GW, ML, MR, NE, SN, TD, TG
     US 2004116701            A1      20040617     US 2003-697226            20031030
PRAI DK 2002-1723             A       20021108
     US 2002-425579P          P       20021112
OS   CASREACT 140:406949; MARPAT 140:406949
AB   The present invention relates to halo sulfonyl aryl boronates,
     Y-(R1R2R3-Arylene)SO2-X (Arylene = carbocyclic or heterocyclic, aromatic ring
     system comprising 1-3 rings; R1, R2, R3 = independently, H, C1-6 alkyl,
     C1-6 alkoxy, halo, nitro, cyano or phenyl; X = F, Cl, Br; Y = boroxine
     moiety attached via a bond from Arylene to one of the boron atoms of a
     boroxine ring which ring has a group of the formula -
     Arylene(R1)(R2)(R3)SO2X, wherein Arylene, R1, R2, R3 and X are as defined
     above, at each of the other two boron atoms of the boroxine ring, or Y is
     a boronic acid group or a boronic ester group).  The invention also
     relates to the preparation of the compds. and to their use in organic
synthesis.
     Thus, lithiation of 4-bromobenzeneboronic acid N-methyldiethanolamine
     ester with BuLi in THF/hexanes followed by treatment with SO2 gave 99%
     lithium 4-sulfinylphenylboronic acid N-methyldiethanolamine ester.
     Treatment of lithium 4-sulfinylphenylboronic acid N-methyldiethanolamine
     ester with N-chlorosuccinimide in CH2Cl2 followed by amination with
     benzylamine gave 56% PhCH2NHSO2C6H4B(OH)2-4.
```

=> file reg

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Examination Auxillary files\10697226\10697226 2nd try.str
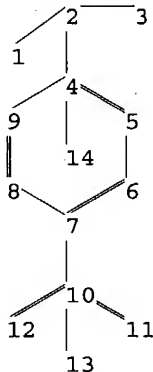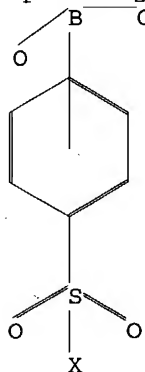
chain nodes :
1   2   3   10   11   12   13
ring nodes :
4   5   6   7   8   9
chain bonds :
1-2   2-3   7-10   10-11   10-12   10-13
ring bonds :
4-9   4-5   5-6   6-7   7-8   8-9
exact/norm bonds :
7-10   10-11   10-12   10-13
exact bonds :
1-2   2-3
normalized bonds :
4-9   4-5   5-6   6-7   7-8   8-9

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:CLASS
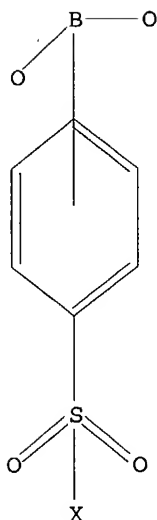11:CLASS   12:CLASS   13:CLASS   14:CLASS

L5   STRUCTURE UPLOADED

=> d 15
L5 HAS NO ANSWERS
L5   STR

Structure attributes must be viewed using STN Express query preparation.

```
=> search l5 sss sam
SAMPLE SEARCH INITIATED 12:30:38 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      0 TO ITERATE

100.0% PROCESSED       0 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          0 TO        0
PROJECTED ANSWERS:             0 TO        0

L6            0 SEA SSS SAM L5

=> search l5 sss full
FULL SEARCH INITIATED 12:30:51 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     4 TO ITERATE

100.0% PROCESSED       4 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

L7            0 SEA SSS FUL L5

=> logoff hold
COST IN U.S. DOLLARS                           SINCE FILE      TOTAL
                                                 ENTRY        SESSION
FULL ESTIMATED COST                             156.68        319.44

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)     SINCE FILE      TOTAL
                                                 ENTRY        SESSION
CA SUBSCRIBER PRICE                              0.00         -0.66

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:32:48 ON 04 NOV 2004

Connecting via Winsock to STN
```

Welcome to STN International!   Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
* * * * *.* RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 12:36:20 ON 04 NOV 2004
FILE 'REGISTRY' ENTERED AT 12:36:20 ON 04 NOV 2004
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	157.10	319.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.66

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	157.94	320.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.66

FILE 'REGISTRY' ENTERED AT 12:37:35 ON 04 NOV 2004
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STRUCTURE FILE UPDATES: 2 NOV 2004   HIGHEST RN 774165-06-9
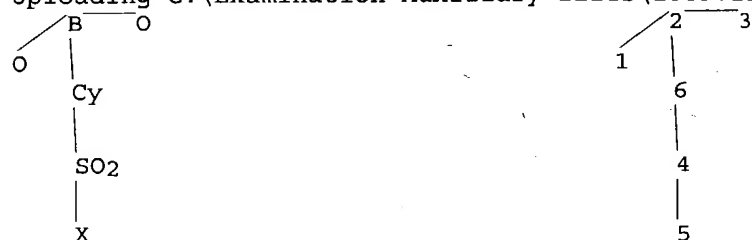DICTIONARY FILE UPDATES: 2 NOV 2004   HIGHEST RN 774165-06-9

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to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Examination Auxillary files\10697226\10697226 3rd try.str

```
     /B   O                              /2    3
   O  |                              1  |
      Cy                                6
      |                                 |
      |                                 |
      SO2                               4
      |                                 |
      X                                 5
```
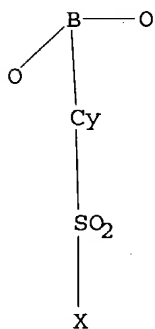
chain nodes :
1 2 3 4 5 6

chain bonds :
1-2   2-3   2-6   4-5   4-6
exact/norm bonds :
2-6   4-6
exact bonds :
1-2   2-3   4-5

Match level :
1:Atom   2:Atom   3:Atom   4:CLASS   5:CLASS   6:Atom

L8   STRUCTURE UPLOADED

=> d 18.
L8 HAS NO ANSWERS
L8   STR

Structure attributes must be viewed using STN Express query preparation.

=> search 18 sss sam
SAMPLE SEARCH INITIATED 12:38:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   0 TO ITERATE

100.0% PROCESSED   0 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 0 TO   0
PROJECTED ANSWERS: 0 TO   0

L9   0 SEA SSS SAM L8

=> search 18 sss full
FULL SEARCH INITIATED 12:38:22 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   23 TO ITERATE

100.0% PROCESSED   23 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

L10   0 SEA SSS FUL L8

=> logoff hold
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                ENTRY   SESSION
FULL ESTIMATED COST   155.42   476.12

```
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                    ENTRY        SESSION
CA SUBSCRIBER PRICE                                 0.00         -0.66

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:38:27 ON 04 NOV 2004

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Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


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NEWS  4   AUG 02  IFIPAT/IFIUDB/IFICDB reloaded with new search and display
                  fields
NEWS  5   AUG 02  CAplus and CA patent records enhanced with European and Japan
                  Patent Office Classifications
NEWS  6   AUG 02  The Analysis Edition of STN Express with Discover!
                  (Version 7.01 for Windows) now available
NEWS  7   AUG 27  BIOCOMMERCE: Changes and enhancements to content coverage
NEWS  8   AUG 27  BIOTECHABS/BIOTECHDS: Two new display fields added for legal
                  status data from INPADOC
NEWS  9   SEP 01  INPADOC: New family current-awareness alert (SDI) available
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NEWS 12   SEP 27  STANDARDS will no longer be available on STN
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NEWS 14   OCT 28  KOREAPAT now available on STN

NEWS EXPRESS    OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
                MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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NEWS INTER      General Internet Information
NEWS LOGIN      Welcome Banner and News Items
NEWS PHONE      Direct Dial and Telecommunication Network Access to STN
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  * * * * * * * * * * * * * STN  Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 06:09:16 ON 05 NOV 2004
```

```
=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                          ENTRY        SESSION
FULL ESTIMATED COST                                       0.21          0.21


FILE 'REGISTRY' ENTERED AT 06:10:05 ON 05 NOV 2004
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STRUCTURE FILE UPDATES:     3 NOV 2004   HIGHEST RN 774506-08-0
DICTIONARY FILE UPDATES:    3 NOV 2004   HIGHEST RN 774506-08-0

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   conducting SmartSELECT searches.

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Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Examination Auxillary files\10697226\10697226 3rd try related.str
      B    O                              2    3
    /                                    /
  O   |                             1  |
      Cy                                5
      |                                 |
      SO2                               4


chain nodes :
1  2   3   4   5
chain bonds :
1-2   2-3   2-5   4-5
exact/norm bonds :
2-5   4-5
exact bonds :
1-2   2-3


Match level :
1:Atom   2:Atom   3:Atom   4:CLASS   5:Atom




L1       STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1                  STR
```
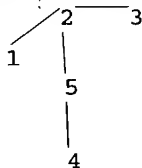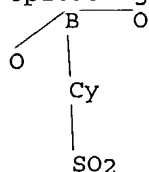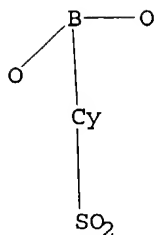
Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 06:10:34 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   106 TO ITERATE

100.0% PROCESSED   106 ITERATIONS   6 ANSWERS
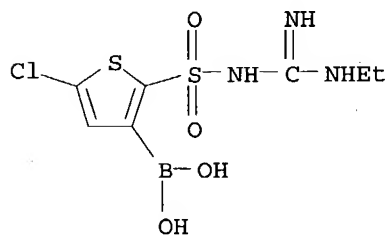SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 1503 TO   2737
PROJECTED ANSWERS: 6 TO   266

L2   6 SEA SSS SAM L1

=> d scan

L2   6 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   Boronic acid, [5-chloro-2-[[[(ethylamino)iminomethyl]amino]sulfonyl]-3-
      thienyl]- (9CI)
MF   C7 H11 B Cl N3 O4 S2

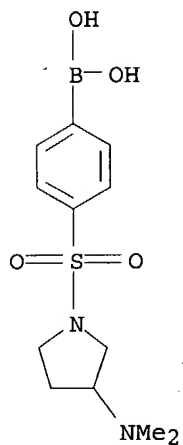**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):6

L2   6 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   Boronic acid, [2-[[(3,4-dimethyl-5-isoxazolyl)(methoxymethyl)amino]sulfony
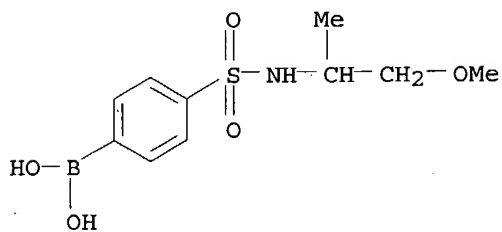   l]phenyl]- (9CI)
MF   C13 H17 B N2 O6 S
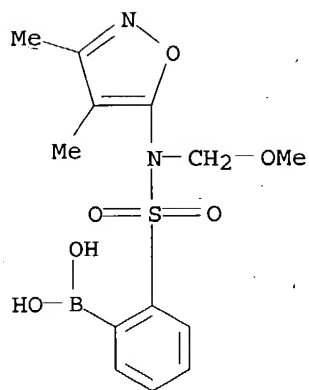
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2   6 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   Boronic acid, [4-[[3-(dimethylamino)-1-pyrrolidinyl]sulfonyl]phenyl]-
       (9CI)
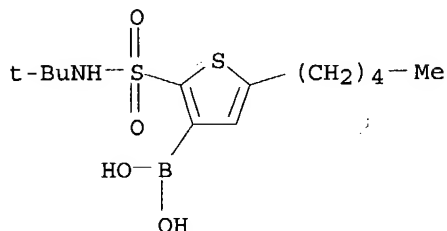MF   C12 H19 B N2 O4 S

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2   6 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   Boronic acid, [4-[[(2-methoxy-1-methylethyl)amino]sulfonyl]phenyl]- (9CI)
MF   C10 H16 B N O5 S

L2   6 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   Boronic acid, [2-[[(1,1-dimethylethyl)amino]sulfonyl]-5-pentyl-3-thienyl]-
      (9CI)
MF   C13 H24 B N O4 S2

$$\text{t-BuNH} - \overset{\overset{\displaystyle O}{\|}}{\underset{\underset{\displaystyle O}{\|}}{S}} - \text{thienyl ring} - (CH_2)_4 - Me$$

HO—B—OH (boronic acid)

L2   6 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   Boronic acid, [1-(phenylsulfonyl)-1H-indol-2-yl]- (9CI)
MF   C14 H12 B N O4 S

(indole structure with B(OH)$_2$ at 2-position and N-SO$_2$-Ph)
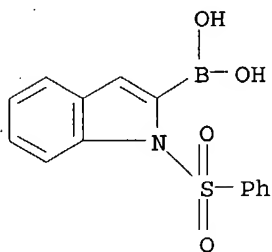
ALL ANSWERS HAVE BEEN SCANNED

=> logoff hold
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                ENTRY   SESSION

FULL ESTIMATED COST   5.04   5.25

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:17:10 ON 05 NOV 2004